SEQUENCE LISTING

<110> GUY, GOROCHOV ET AL.

<120> METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF CHEMOKINE VARIANTS

<130> 2121-0180P

<140> US 10/791,814
<141> 2004-03-04

<150> US 09/945,665
<151> 2001-09-05

<150> PCT/EP 02/11045
<151> 2002-09-05

<160> 38

<170> PatentIn version 3.1

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<400> 1

Leu Ser Pro Val Ser Ser Gln Ser Ser Ala
1   5   10

<210> 2
<211> 10
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<400> 2

Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala
1   5   10

<210> 3
<211> 10
<212> PRT
<213> Unknown

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1

<400> 3

Leu Ser Pro Met Ser Ser Gln Ser Pro Ala
1   5   10

<210> 4
<211> 10
<212> PRT
<213> Unknown

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<400> 4

Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
1   5   10

<210> 5
<211> 10
<212> PRT
<213> Unknown

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<400> 5

Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
1   5   10

<210> 6
<211> 10
<212> PRT
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<400> 6

Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
1   5   10

<210> 7
<211> 10
<212> PRT
<213> Unknown

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<400> 7

Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
1   5   10

<210>   8
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<212>   PRT
<213>   Unknown

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<400>   8

Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
1   5   10

<210>   9
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<213>   Unknown

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<400>   9

Arg Ser Pro Met Ser Ser Gln Ser Ser Pro
1   5   10

<210>   10
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<212>   PRT
<213>   Unknown

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<400>   10

Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
1   5   10

<210>   11
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<213>   Unknown

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<400>   11

Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
1   5   10

<210>   12
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<213>   Unknown

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<400>   12

Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
1   5   10

<210>   13
<211>   10
<212>   PRT
<213>   Unknown

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<400>   13

Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
1   5   10

<210>   14
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<400>   14

Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
1   5   10

<210>   15
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<400>   15

Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala

4

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<212> PRT
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<400> 16

Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
1   5   10

<210> 17
<211> 10
<212> PRT
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<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 17

Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
1   5   10

<210> 18
<211> 10
<212> PRT
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<400> 18

Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
1   5   10

<210> 19
<211> 9
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<220>
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<400> 19

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala

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<210>  21
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<212>  DNA
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<220>
<223>  PCR upstream primer

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<223>  n = a, t, c or g

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<223>  n is a, c, g, or t

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ctcgcggccc agccggccat ggccnnktcc ncannktcct cgnnknccnc ancctgctgc      60

tttgcctaca ttgcgcggcc gctgccccgt gcccacatc                            99



<210>  22
<211>  10
<212>  PRT
<213>  Unknown

<220>
<223>  Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400>  22

Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala
1               5                   10


<210>  23
<211>  10
<212>  PRT
<213>  Unknown

<220>
<223>  Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400>  23

Ala Ser Pro Leu Ser Ser Gln Ser Ser Ser
1               5                   10


<210>  24
<211>  10
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic peptide (page 9 of specification)


<220>
<221>  UNSURE
<222>  (1)..(1)
<223>  Xaa = L or an aromatic residue

<220>
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7

<221> UNSURE
<222> (3)..(3)
<223> Xaa = S,P,T or A

<220>
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<223> Xaa = L, M or V

<220>
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<223> Xaa = S,P,T or A

<400> 24

Xaa Ser Xaa Xaa Ser Ser Gln Xaa Xaa Xaa
1   5   10

<210> 25
<211> 10
<212> PRT
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<220>
<223> Consensus biopanning on CCR5 cells

<220>
<221> UNSURE
<222> (4)..(4)
<223> Xaa = L, M or V

<400> 25

Leu Ser Pro Xaa Ser Ser Gln Ser Ser Ala
1   5   10

<210> 26
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus biopanning on 1D2 antibody

<220>
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<223> Xaa = A, P or S

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<400>  26

Arg Ser Pro Pro Ser Ser Arg Xaa Ala Ser
1               5                   10


<210>  27
<211>  9
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<220>
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<400>  27

Ser Pro Tyr Ser Ser Asp Thr Thr Pro
1               5


<210>  28
<211>  10
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<223>  Xaa = A, P, S or T

<400>  28

Xaa Ser Xaa Xaa Ser Ser Xaa Xaa Xaa Xaa
1               5                   10
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<210>  29
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<223>  Xaa = A, P, S or T


<400>  29

Leu Ser Pro Xaa Ser Ser Gln Ser Ser Ala
1               5                   10


<210>  30
<211>  10
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<213>  Unknown

<220>
<223>  Cloned peptide sequence (mammalian)

<400>  30

Val Ser Thr Leu Ser Ser Pro Ala Ser Thr
1               5                   10


<210>  31
<211>  10
<212>  PRT
<213>  Unknown

<220>
<223>  Cloned peptide sequence (mammalian)

<400>  31

Ala Ser Ser Phe Ser Ser Arg Ala Pro Pro
1               5                   10


<210>  32
<211>  10
<212>  PRT
<213>  Unknown

<220>
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<223> Cloned peptide sequence (mammalian)

<400> 32

Gln Ser Ser Ala Ser Ser Ser Ser Ser Ala
1   5   10

<210> 33
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence (mammalian)

<400> 33

Gln Ser Pro Gly Ser Ser Trp Ser Ala Ala
1   5   10

<210> 34
<211> 10
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<220>
<223> Cloned peptide sequence (mammalian)

<400> 34

Gln Ser Pro Pro Ser Ser Trp Ser Ser Ser
1   5   10

<210> 35
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<223> Cloned peptide sequence (mammalian)

<400> 35

Gln Ser Pro Leu Ser Ser Phe Thr Ser Ser
1   5   10

<210> 36
<211> 10
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<220>
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<400> 36

Ala Ser Pro Gln Ser Ser Leu Pro Ala Ala
1   5   10

<210> 37
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<220>
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<220>
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<223> Aromatic Residue

<400> 37

Gln Ser Pro Gln Ser Ser Xaa Ser Ser Ala
1   5   10

<210> 38
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<223> Xaa can be any naturally occurring amino acid

<400> 38

Leu Ser Pro Gln Ser Ser Leu Ser Ser Xaa
1   5   10